Dan Truong

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EDUCATION

The University of Texas at Austin   **May 2027**
Bachelor of Science in Mathematics, Minors in Computer Science and Business
Relevant Coursework: Data Structures & Algorithms, Software Engineering, Databases, Mobile Computing

EXPERIENCE

Nook   **February 2026 − May 2026**
Engineering and Operations Intern   *Austin, Texas*
- Engineered a dashboard using (**React, TypeScript, Express.js, PostgreSQL, Redis, Alchemy**) processing **2,330+ users**, discovering that **72% of users** had low balances and low yield performance, enabling **6 product changes** to improve retention among at-risk users
- Delivered a distributed rewards tracking pipeline aggregating user earnings across **2 networks (Optimism, Base)**, uncovering that **78% of low-balance users** earned < $5 and driving changes to payout thresholds and reward distribution logic
- Managed **1,000+ customer support emails (50−75/day)**, resolving payment, onboarding, and wallet issues in coordination with Stripe, Privy, and Astra across core product flows

OneGov   **September 2025 − January 2026**
Software Engineer Intern   *Austin, Texas*
- Built a **Python** lobbying data pipeline to extract, process, and load **100,000+ records** across all states, powering internal AI systems with structured legislative data
- Automated weekly multi-state data processing pipeline with **cron-based scheduling**, retry/validation workflows, and **Slack notifications**, supporting **52 jurisdictions** per run with built-in fault tolerance
- Fine-tuned and evaluated **LLMs (LoRA on Qwen)** across multiple model/dataset configurations, reducing average inference time per document by **8−10 seconds** and improving structured output consistency for bill analysis

Studio23Labs   **April 2025 − October 2025**
Software Engineer Intern   *Remote*
- Built the company's internal tools using **Next.js**, **Express.js**, and **MongoDB**, saving the company **12−14 hours per week** by automating admin tasks
- Delivered a client's **React TypeScript** and **Next.js** platform for medical research listings, scaling the client's operations to **4,000+ users**
- Shipped a client's backend infrastructure using **Node.js**, **Supabase**, and **AWS (DynamoDB, Lambda)**, powering the client's medical research platform with **5,000+ medical studies** and **4,000+ users**

TheBigLease   **November 2024 - March 2025**
Founding Engineer   *Austin, Texas*
- Launched a **React TypeScript** and **Next.js** platform enabling **2,000+ students** to find their top housing matches.
- Engineered **10+ RESTful APIs** in **Python** with **GPT-4o**, managing **1,000+ weekly requests**
- Implemented backend infrastructure with **PostgreSQL** and **Flask** to manage **5,000+ housing listings**

PROJECTS

ping! | *Swift, Supabase (PostgreSQL), Clerk, Mapbox*
- Engineered a location-based social discovery iOS app that helps users find places and connect with others who share similar interests

Essos (Midwest Blockchain Conference Hackathon) | *TypeScript, x402, Circle, Increase*
- Constructed an x402 SDK bridging crypto transactions to bank accounts via FedWire in 100ms, earning **2nd Place in the Circle/USDC Payments Bounty ($3,000 prize)**

noshot!! (Cypherpunk Colosseum Hackathon) | *ReactJS, TailwindCSS, TypeScript, Supabase (PostgreSQL), Privy, Solana, Helius*
- Launched a social prediction platform where friends create and wager on real-life events with transparent, on-chain bets

Kleo (XRPL Student Builder Residency) | *Next.js, TypeScript, TailwindCSS, Mapbox, Dynamic, IPFS, Pinata, The Graph, XRPL*
- Designed a map-based storytelling app enabling users to submit geo-anchored stories (video or news) and explore a global on-chain feed

Vitalize (narbhacks Hackathon) | *ReactJS, TailwindCSS, TypeScript, Convex*
- Implemented a full-stack app that tracks daily locations and includes an AI-powered health coaching chatbot

Brushline | *ReactJS, TailwindCSS, Express.js, Node.js, TypeScript*
- Delivered a full-stack AI-powered photo editing app enabling users to edit images through natural language prompts

Downbad.ai | *ReactJS, Rust, TailwindCSS, TypeScript, Web3.js*
- Architected a decentralized app that analyzes trading wallets and generates AI-driven commentary based on transaction history

LEADERSHIP

Texas Blockchain Labs   **January 2024 − Present**
Software Engineer Fellow   *Austin, Texas*
- Developed **5+ full-stack crypto applications** for hackathons using **Next.js, TypeScript, Python, Supabase (PostgreSQL), Solana, Ethereum, XRPL, IPFS, Pinata, Dynamic, Privy, Circle, and Increase**.

TECHNICAL SKILLS

Programming Languages: Java, Python, TypeScript, JavaScript, C, C++, C#, Rust, SQL, Solidity, Swift
AI/ML Tools: OpenAI API, LangChain, PyTorch, Scikit-learn, Pandas, NumPy, Tensorflow
Web Technologies: HTML, CSS, React.js, React Native, Next.js, Astro, Node.js, Express.js, Django, Flask, FastAPI, REST API, GraphQL, Figma, Foundry, Anchor, Web3.js, Ethers.js
Cloud & DevOps: GCP, AWS, Azure, AWS Lambda, AWS DynamoDB, Docker, Kubernetes, Terraform, Vercel, GitHub Actions, CI/CD pipelines, Cron jobs, Git, Agile Methodologies, Jira
Databases & Systems: PostgreSQL, Supabase, MongoDB, MySQL, Apache Kafka